Anti-Counterfeit Component Certification

Presented by:

President & CEO
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Solving the International Counterfeiting Epidemic

- What will it take to eradicate this epidemic?
  - An International “Component Chain of Custody Certification System” (4CS)
    - One technical standard recognized worldwide!
    - One competency based training program recognized worldwide!
    - One International based certification program recognized worldwide!

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Chain of Custody

- What does “Component Chain of Custody” mean?
  - Demonstrable Authenticity
    - From the components qualified creator it is traceable
    - Each change of ownership is documented
    - Component quality and integrity is assured at all times

Do you know the real source of your components?

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One Technical Standard

- SAE AS 5553

  Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition

- SAE AS 6081

  Counterfeit Electronic Parts Avoidance – Distributors

  - Created in response to a significant and increasing volume of counterfeit electronic parts entering the aerospace supply chain, posing significant performance, reliability, and safety risk.
  - Created to provide a uniform requirements, practices and methods to mitigate the risks of receiving and installing counterfeit electronic parts.

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One Competency Based Training Program

- Understanding anti-counterfeit certification requires more than technical knowledge and experience
- 4CS requires understanding supply chain management and risk assessment processes

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One International Based Certification Program

- IEC IECQ Anti-Counterfeit Certification
  - Based on National Accreditation and Internationally recognized Certification Bodies
    - ANSI-ASQ American National Accreditation Body (ANAB)
    - International Electrotechnical Commission Quality Assessment System for Electronic Components (IECQ)

US-AB + US-NAI + International CA =

IECQ Certificate of Conformity
Electronic Component Management Plans

IECQ Certificate No.: IECQ-E DNVUS 10.0002 | Issue No.: 2 | Status: Current
Supersedes: IECQ-E DNVUS 10.0002 Issue 1 | Issue Date: 2011/02/18 | Org. Issue: 2008/01/12
CB Certificate No.: US1007 | Expiration: 2014/02/17

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The organization has developed and implemented Electronic Component Management Plan procedures and related processes which have been assessed and found to comply with the applicable requirements for IECQ ECMP organization approval which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure IECQ 03-4 "IECQ Avionics Assessment Program Requirements" of the IEC Quality Assessment System for Electronic Components (IECQ), and in respect of Process Management specification(s):

IEC TS 62239 Ed.1.0: Process Management for Avionics – Preparation of an Electronic Components Management Plan

Plan reference:
04-02-3016-03 Electronic Component Management Program (ECMP)

Plan Scope:
The process management system associated with the preparation of an electronic components management plan for the design and production of components for aircraft, marine and ground transportation systems.

- Attached Schedule: none

Approved by Certification Body (CB): DNV Certification
Certification Body Sponsoring NAI: Electronic Components Certification Corporation

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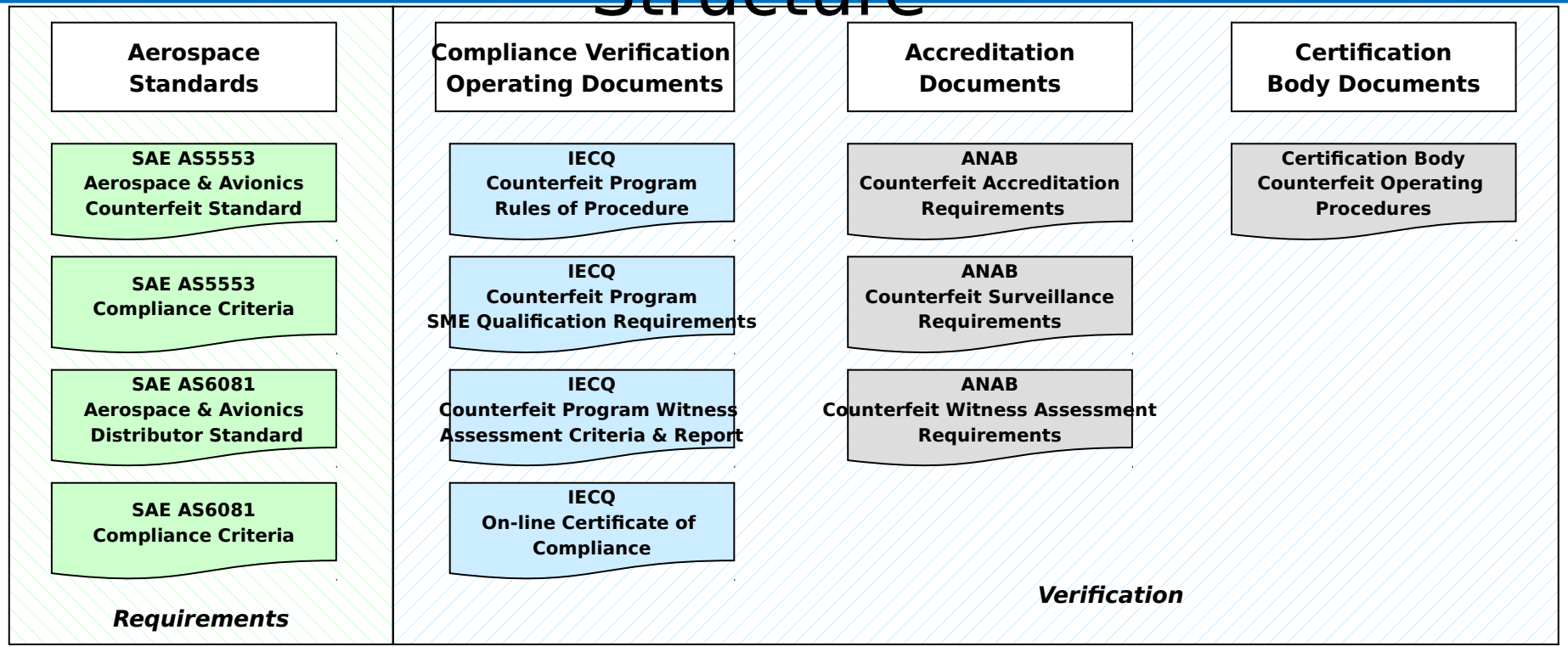
Aerospace Counterfeit Document Structure


Aerospace Standards
Compliance Verification Operating Documents
Accreditation Documents
Certification Body Documents
SAE AS5553 Aerospace & Avionics Counterfeit Standard
SAE AS5553 Compliance Criteria
SAE AS6081 Aerospace & Avionics Distributor Standard
SAE AS6081 Compliance Criteria
IECQ Counterfeit Program Rules of Procedure
IECQ Counterfeit Program SME Qualification Requirements
IECQ Counterfeit Program Witness Assessment Criteria & Report
IECQ On-line Certificate of Compliance
ANAB Counterfeit Accreditation Requirements
ANAB Counterfeit Surveillance Requirements
ANAB Counterfeit Witness Assessment Requirements
Certification Body Counterfeit Operating Procedures
Requirements
Verification

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Thank You

Q & A

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